

228-729

12/18/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 18, 2014

Mr. Matthew Granahan
Regulatory Manager
Nufarm Americas Inc.
11901 S. Austin Ave.
Alsip, IL 60803

Subject: Label Notification per PRN 2007-4 / PRN 1998-10 – Revise Container Disposal
& Handling Instructions and Adding Net Contents Statement
Product Name: Grass Killer Wildlife Food Plots
EPA Registration Number: 228-729
Application Date: December 2, 2014
Decision Number: 498122

Dear Mr. Granahan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 & PRN 1998-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-4 & PRN 1998-10 and finds that the action requested falls within the scope of PRN-2007-4 & PRN 1998-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification via PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact BeWanda Alexander at (703)305-7460 or by email at alexander.bewanda@epa.gov.

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NOTIFICATION

228-729

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12-18-14

GROUP 1 HERBICIDE

Grass Killer Wildlife Food Plots

[Kills grassy weeds without harming broadleaf food plots for wildlife when used as directed.]

[Kills annual and perennial grasses.]

[Kills Crabgrass, Quackgrass, Barnyardgrass, Foxtails, Bermudagrass & Johnsongrass.]

[Rainfast in one hour.]

[Kills grassy weeds without harming broadleaf wildlife food plots when used as directed.]

[Kills grasses in wildlife food plots.]

[This XX container covers XX sq ft Treats Up to XX sq ft.]

[This product may be used to remove grassy weeds on plots grown for wildlife food.]

ACTIVE INGREDIENT:

*Clethodim (E)-2-[1-[[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]

-3-hydroxy-2-cyclohexen-1-one 12.6%

OTHER INGREDIENTS: 87.4%

TOTAL: 100.0%

Contains Petroleum Distillates
Contains 0.97 lbs clethodim per gallon

KEEP OUT OF REACH OF CHILDREN
CAUTION / PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
 (If you do not understand the label, find someone to explain it to you in detail.)

SEE [INSIDE BOOKLET] [BELOW] [NEXT PAGE] FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-729
EPA EST. NO.

NET CONTENTS: ____ [FL. OZ.][PT. [S]][QT. [S]][GAL. [S]] [L]
[Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 5 GAL]

MANUFACTURED FOR
NUFARM AMERICAS INC.
11901 S. AUSTIN AVE.
ALSIP, IL 60803



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION/ PRECAUCION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking; chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.	

USER SAFETY RECOMMENDATIONS
Users should: <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

- Solano Grass: Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north, Highway 113 to the east, Highway 12 to the south and Travis Air Force Base to the west.
- Wild Rice: Hays County, Texas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product. Use strictly in accordance with label precautionary statements and directions.

NON-AGRICULTURAL USE REQUIREMENTS
<p>The requirements in this box apply to uses of this product that are not within the scope of the WPS for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural crops on farms, forests, nurseries, or greenhouses.</p> <p>Keep all unprotected persons out of operating areas, or vicinity where there may be drift.</p> <p>Do not enter or allow other to enter the treated area until sprays have dried.</p>

HOW IT WORKS

This product is a selective systemic herbicide for control of existing annual and perennial grasses growing in plants grown for wildlife food. This product does not control sedges or broadleaf weeds.

Growth of treated grasses stops soon after application. Treated grassy weeds show a reduction in vigor and growth. The growing points frequently turn purple to reddish in color before the plant dies. Treated grass will usually completely die within two weeks.

USE DIRECTIONS FOR ANNUAL GRASSES

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high specified rate under heavy grass pressure and/or when grasses are at maximum height.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (inches)	APPLICATION RATES	
			MINIMUM RATE fl oz/A	MAXIMUM RATE*** fl oz/A
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	9	16
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	9	16
Brome				
California	<i>Bromus carinatus</i>	2 to 6	9	16
Cheat	<i>Bromus secalinus</i>	2 to 6	9	16
Downy	<i>Bromus tectorum</i>	2 to 6	9	16
Ripgut	<i>Bromus diandrus</i>	2 to 6	9	16
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	9	16
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	9	16
Large	<i>Digitaria sanguinalis</i>	2 to 6**	9	16
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	9	16
Southern	<i>Digitaria ciliaris</i>	2 to 6**	9	16
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	9	16
Fall Panicum	<i>Panicum dichotomiflor</i>	2 to 8	9	16
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	9	16
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	9	16
Green	<i>Setaria viridis</i>	2 to 8	9	16
Yellow	<i>Setaria glauca</i>	2 to 8	9	16
Goosegrass	<i>Eleusine indica</i>	2 to 6**	9	16
Itchgrass	<i>Rottboellia cochinchinensis</i>	2 to 6	9	16
Junglerice	<i>Echinochloa colona</i>	2 to 6	9	16
Lovegrass (Stinkgrass)	<i>Eragrostis ciliaris</i>	2 to 6	9	16
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	9	16
Red Rice	<i>Oryza sativa</i>	1 to 3	9	16
Ryegrass				
Hardy	<i>Lolium remotum</i>	2 to 6	9	16
Italian	<i>Lolium multiflorum</i>	2 to 6	9	16
Seeding Johnsongrass	<i>Sorghum halepense</i>	4 to 10	9	16
Shattercane	<i>Sorghum bicolor</i>	6 to 18	9	16
Southern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	9	16
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	9	16
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	9	16
Mexican	<i>Leptochloa uninervia</i>	2 to 6	9	16
Red	<i>Leptochloa filiformis</i>	2 to 6	9	16
Texas Panicum	<i>Panicum texanum</i>	2 to 6	9	16
Volunteer Cereals				
Barley	<i>Hordeum vulgare</i>	2 to 6	9	16
Oats	<i>Avena sativa</i>	2 to 6	9	16
Rye	<i>Secale cereale</i>	2 to 6	9	16
Wheat	<i>Triticum aestivum</i>	2 to 6	9	16
Volunteer Corn	<i>Zea mays</i>	Up to 12	6	12
Volunteer Corn	<i>Zea mays</i>	Up to 24	9	14
Volunteer Corn	<i>Zea mays</i>	Up to 36	12	16
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	9	16
Wild Oats	<i>Avena fatua</i>	2 to 6	9	16
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	9	16
Witchgrass	<i>Panicum capillare</i>	2 to 8	9	16
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	9	16

*Generally occurs between 3-leaf stage and tillering.

**Length of lateral growth.

*** Use the high specified rate for taller grass.

USE DIRECTIONS FOR PERENNIAL GRASSES

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high specified rate under heavy grass pressure and/or when grasses are at maximum height.

GRASS SPECIES	WEED HEIGHT (inches)	APPLICATION RATES	
		MINIMUM RATE fl oz/A	MAXIMUM RATE*** fl oz/A
Bermudagrass (<i>Cynodon dactylon</i>) First Application	3 (or up to 6" runners)	12	32
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	12	32
Fescue, Tall (<i>Festuca arundinacea</i>) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Foxtail Barley (<i>Hordeum jubatum</i>) First Application	2 to 6	12	32
Repeat Application(s) (if regrowth occurs)	2 to 6	12	32
Orchardgrass (<i>Dactylis glomerata</i>) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Quackgrass (<i>Elytrigia repens</i>) First Application	4 to 12	12	32
Repeat Application(s) (if regrowth occurs)	4 to 12	12	32
Rhizome Johnsongrass (<i>Sorghum halepense</i>) First Application	12 to 24	12	32
Repeat Application(s) (if regrowth occurs)	6 to 18	9	24
Wirestem Muhly (<i>Muhlenbergia frondosa</i>) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Perennial Bluegrass Roughstalk (<i>Poa trivialis</i>) Kentucky (<i>Poa prantensis</i>) First Application	2 to 4	12	32
Repeat Application(s) (if regrowth occurs)	2 to 4	12	32
Bentgrass (<i>Agrostis</i> spp.) First Application	2 to 4	-	32
Repeat Application(s) (if regrowth occurs)	2 to 4	-	32

* Use the high specified rate for taller grass.

WHERE TO USE:

This product may be used to remove grassy weeds on plots grown for wildlife food.

TOLERANT PLANTS		
Alfalfa	Peas	Garden and Red Beets
Carrots	Southern Peas	Mustard
Clover, Sweet, White and Other Species	Sugarbeets	Peanuts
Flax	Turnips	Radish
Lablab	Canola*	Soybeans
Parsnips	Chufa	Sunflowers

* Not for Canola grown in California.

WHEN TO USE

Apply when grassy weeds are actively growing. Weather conditions such as sunny skies and warm weather promote the growth of weeds and make them more susceptible.

- Rainfall within one hour of application will reduce product performance and control may be reduced.
- Mowing or topping grassy weeds before application will reduce product performance and control may be reduced.
- Application to stressed target grassy weeds will reduce product performance and control may be reduced. These conditions include drought, excessive water, extremes in temperature and low humidity.

HOW TO APPLY:

Broadcast applications

- Use of sufficient spray volumes and pressure is essential to ensure complete coverage.
- Use a minimum of 5 gallons or a maximum of 40 gallons of spray solution per acre.
- Under the following conditions a minimum of 10 gals per acre is required: perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Failure to use 10 gallons per acre under these conditions may result in poor coverage and reduced grass control requiring repeat applications.
- Spray pressure should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle.
- Do not use flood nozzles.
- Add half of the needed water to the spray tank
- Add this product.
- Fill tank to desired level.
- Spray plants.
- Apply as close to target plants as practical while maintaining a good spray pattern for adequate coverage.
- Repeat application may be applied after 14 days.

Hand Sprayer Application:

- Apply with a hand trigger sprayer or pump up hand sprayer.
- Add water to half fill the tank.
- Add this product.
- Then fill tank to desired level.
- Adjust sprayer to deliver a fine spray.
- Spray directly on grassy weeds till lightly wet, but not dripping.

For hard to control weeds, make a second application 2 to 3 weeks after the first application.

AMOUNT TO USE:

For Broadcast Applications

- For annual grasses 1 to 4 inches tall apply 9 fl oz per acre
- For annual grasses 4 to 12 inches tall apply 16 fl oz per acre.
- For perennial grasses 2 to 6 inches apply 12 fl oz per acre
- For perennial grasses 6 inches or taller apply up to 32 fl oz per acre
- A second application may be needed for some grasses and for taller grasses
- Do not apply more than 32 fl oz of this product per acre per year

For Spot Spray Applications

Use 1 fl oz of this product per one gallon of water. Spray plants to lightly wet.

SPRAY COVERAGE:

For Broadcast Applications

- Spray with a minimum spray volume of 10 GPA.
- Spray with a maximum spray volume of 40 GPA.

For spot spraying with a hand held sprayer

One gallon of spray mix covers 1300 square feet.

PRECAUTIONS

- Avoid getting spray or spray drift on susceptible grass crops as injury will occur.
- Minor leaf spotting may occur on treated plants under certain conditions. New foliage is not affected.
- Avoid spraying in windy conditions (windy conditions are when winds are greater than 10 miles per hour).
- Avoid spraying when winds are gusty.
- This product does not control sedges or broadleaf weeds.

RESTRICTION

- Do not spray on grassy food plants such as corn, sorghum, wheat, barley, rice, rye and millet.
- Do not apply more than 32 fl oz of this product per acre per year.
- 14 day minimum retreatment interval.
- For Broadcast Application: Do not use flood nozzles.

TANK MIXES

Read tank mix product label for specified rates and weeds controlled. Always read and follow label directions for all tank mix products before using. The most restrictive labeling of any tank mix product must be followed.

[FOR CONTAINERS 5 GALLONS OR LESS]

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a cool dry place, out of reach of children, preferably a locked storage cabinet.

PESTICIDE DISPOSAL AND CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container.

If Empty: Place in trash or offer for recycling, if available.

If Partly Filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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[-OR-]

[FOR CONTAINERS LARGER THAN 5 GALLONS]

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a cool dry place, out of reach of children, preferably a locked storage cabinet.

PESTICIDE DISPOSAL AND CONTAINER HANDLING:

Nonrefillable containers larger than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV120214)

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LABEL HISTORY

FILE NAME	RV DATE	COMMENTS
000228-00XXX.20140606.New	RV060614	DRAFT LABEL
000228-00XXX.20140611.New	RV061114	Revised Product Name to Match EPA Forms "Grass Killer Wildlife Food Plots"
000228-00729.20141014.MASTER	RV101414	EPA SAL
000228-00729.20141202.EPA Notification	RV120214	EPA Notification per PRN07-04 and 98-10 S&D